

I. AMENDMENTS

Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of claims in the application:

1-96. (Canceled)

97. (Currently Amended) A preparation comprising protein molecules, said preparation including heparanase (endo- β -D-glucuronidase) protein, said heparanase protein having heparanase catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, wherein said heparanase protein comprises a polypeptide at least 70% homologous to SEQ ID NO: 10, and wherein said preparation ~~can~~ is pure enough to elicit anti-heparanase antibodies.

98. (Previously Presented) The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 80% homologous to SEQ ID NO: 10.

99. (Previously Presented) The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 90% homologous to SEQ ID NO: 10.

100. (Previously Presented) The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 95% homologous to SEQ ID NO: 10.

101. (Previously Presented) The preparation of claim 97, wherein said heparanase protein comprises SEQ ID NO: 10.

102 -122 (Canceled)

123. (Currently amended) A preparation comprising a heparanase protein, wherein said heparanase protein comprises amino acid residues 12 to 136 of SEQ ID NO: 10, and wherein said preparation ~~can~~ is pure enough to elicit anti-heparanase antibodies.

124. (Previously Presented) The preparation of claim 123, wherein said heparanase protein has heparanase catalytic activity or is cleavable so as to acquire said heparanase catalytic activity.

125. (Currently Amended) A preparation comprising a heparanase protein, wherein said heparanase protein comprises amino acid residues 500 to 543 of SEQ ID NO: 10, and wherein said preparation ~~can~~ is pure enough to elicit anti-heparanase antibodies.

126. (Previously Presented) The preparation of claim 125, wherein said heparanase protein has heparanase catalytic activity or is cleavable so as to acquire said heparanase catalytic activity.

127. (Previously Presented) The preparation of claim 97, wherein said heparanase protein comprises SEQ ID NO: 10, provided that said amino acid sequence has a phenylalanine residue instead of a tyrosine residue at position 246.

128. (New) The preparation of claim 125, wherein said amino acid sequence has a phenylalanine residue at position 246.

129. (New) A heparanase protein comprising SEQ ID NO: 10, provided that said amino acid sequence has a phenylalanine residue instead of a tyrosine residue at position 246.